COLLECTION SYSTEM DESIGN SUMMARY											
Design Flow - R	efer to 327 IA	C 3-6-11 for	or Design Flow Rate Requirements								
Description	n of Units Se	rved	esign Flow Per Unit Number o		Units	Units Unit Design Flow					
Example:	Single family home	s	310 gpd/unit	30		9,300 gpd					
			(gpd/unit)			gpd					
			(gpd/unit)			gpd					
			(gpd/unit)			gpd					
			(gpd/unit)			gpd					
			(gpd/unit)			gpd					
<b>D</b> 11 6 1			Average Design Flow				gpd				
Peaking factor				Peak Desig	n flow		gpd				
Charlity Cover Di							lat Ameliaabla				
Gravity Sewer Pi	ipe		A CTM or A M/M/A		plicable		Not Applicable Installation				
Length	Diameter	Material	ASTM or AWWA Standard	SDR or DR	Press Class		Method				
Example: 1,525 ft	8-inch	PVC	ASTM D3034	SDR-35	N/A	4	Open Cut				
ft	in										
ft	in										
ft	in										
ft	in										
ft	in										
Force Main Pipe	and Low Pre	ssure Sewer			plicable		lot Applicable				
Length	Diameter	Material	ASTM or AWWA Standard	SDR or DR	Pressure Class (psi)		Installation Method				
Example: 1,525 ft	8-inch	PVC	ASTM D2241	SDR-21	200 psi		Open Cut				
ft	in										
ft	in										
ft	in										
ft	in										
ft	in										
Connection Loca	<u></u>										
Example: The proposed sanitary sewer shall connect to an existing 8-inch sewer located approximately 10 ft north and 10 ft west of the intersection of Main Street and Park Avenue and to an existing lift station located approximately 20 ft southeast of the intersection of Oak Lane and Maple Drive.											
The proposed shall connect to located .											
Inspection / Maintenance											
Inspection during		vill be provide	ed by								
Maintenance after		•	-								
Wastewater Treatment											
Wastewater Trea	ntment										
Wastewater Treat		ovided by									
		ovided by									
		ovided by		П Др	plicable		lot Applicable				
Wastewater treatr		ovided by		Д Ар	plicable		lot Applicable				

3.	Number of pumps:	Number of pumps:						
4.	Constant or variable speed:							
5.	Design pump rate (gpm) and TDH (ft):							
6.	Operating volume of the wet well (gal):							
7.	Average detention time in the wet well (min):							
8.	Type of standby power/pump	provisions:						
9.	Type of alarm:							
10.	Additional information:							
	Pressure Sewer Grinder Pun	•	<u> </u>		Applicable Not Applicable			
1.		implex	duplex	triplex	,			
2.	Number of residential conne	•	•	two maximi	um):			
3.	Design pump rate (gpm) at r	naximum TD	OH (ft):					
4.	Type of alarm:							
5.	Privately or utility owned and	l maintained	:					
6.	Additional information:							
	ım Pump Station				Applicable Not Applicable			
1.	Location:	/ 1						
2.	Total volume of vacuum tank (gal):							
3.	Operating volume of the vacuum tank (gal):							
4.	Number and size (HP) of vacuum pumps:							
5.	,, , , , , , , , , , , , , , , , , , , ,							
6.	1							
7.	Design pump rate (gpm) and TDH (ft):							
8.	Type of standby power/pump	provisions:						
9.	Type of alarm:							
10.	Additional information:							
	cation Seal, Signature, and							
Printed	d Name of Engineer or Land S	Surveyor						
Signat	ure				Date Signed (month / day / year)			
		justified by oth		3-6-32) or as pr	However, an alternative peaking factor may be rovided by Ten State Standards 11.243: Peaking on in thousands.			
	Provide pump and system curves and design calculations for TDH. If connecting to an exmain, provide upstream lift station pump curves and describe how the proposed flow will lift station performance during simultaneous operation.							
For small diameter low-pressure sanitary sewer systems, provide a spreadsheet that inc maximum expected simultaneous operation of the proposed grinder pumps, maximum e (gpm) and fluid velocity (ft/sec), static head and accumulated friction loss, and expected accumulated total dynamic head (TDH).  The average detention time in the wet well (cycle time between pump on/off settings) she between 5 and 30 minutes. The cycle time may be calculated from the following equation								